

Claim Amendments:

Please cancel Claims 20-62 without disclaimer or prejudice, amend Claim 13 and add new Claims 63-91 as follows:

1-12. (Canceled)

13. (Currently Amended) An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:

a first fluid source;

a second fluid source; and

a fluid path disposed between the first and second fluid sources and a patient, the fluid path comprising a mixing device, ~~in fluid communication with the first and second fluid sources, wherein the fluid path comprises~~ a reusable portion for delivering fluid to multiple patients and a per-patient disposable portion removably connected to the reusable portion.

14. (Previously Presented) The apparatus of claim 13, wherein the fluid path further comprises at least one metering device disposed between the first and second fluid sources and the mixing device.

15. (Previously Presented) The apparatus of claim 14, further comprising a control device in communication with the metering device.

16. (Previously Presented) The apparatus of claim 13, wherein the fluid path further comprises a fluid assurance device disposed between the mixing device and the patient.

17. (Previously Presented) The apparatus of claim 13, wherein the first fluid source comprises a contrast source.

18. (Previously Presented) The apparatus of claim 13, wherein the second fluid source comprises a diluent source.

19-62. (Canceled)

63. (New) The apparatus of claim 13 wherein the mixing device comprises a static mixer.

64. (New) The apparatus of claim 13 wherein the mixing device comprises a Y element.

65. (New) The apparatus of claim 14 wherein the at least one metering device comprises a peristaltic pump.

66. (New) The apparatus of claim 13 wherein the fluid path further comprises a valve disposed therein.

67. (New) The apparatus of Claim 66 wherein the valve is a rotary valve.

68. (New) The apparatus of claim 13 wherein the mixing device comprises a helical vane mixer.

69. (New) The apparatus of claim 13 wherein the fluid path further comprises a pressurizing pump disposed between the first and second fluid sources and the patient.

70. (New) The apparatus of claim 15, further comprising a user interface connected to the control device.

71. (New) The apparatus of claim 15, further comprising an electronic interface connecting the control device to a hospital information system.

72. (New) An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:

a first fluid source;

a second fluid source; and

a fluid path disposed between the first and second fluid sources and a patient, the fluid path comprising:

a Y element;

a reusable portion for delivering fluid to multiple patients; and

a per-patient disposable portion removably connected to the reusable portion.

73. (New) The apparatus of claim 72, wherein the fluid path further comprises at least one metering device disposed between the first and second fluid sources and the Y element.

74. (New) The apparatus of claim 73, further comprising a control device in communication with the metering device.

75. (New) The apparatus of claim 72, wherein the fluid path further comprises a fluid assurance device disposed between the Y element and the patient.

76. (New) The apparatus of claim 72, wherein the first fluid source comprises a contrast source.

77. (New) The apparatus of claim 72, wherein the second fluid source comprises a diluent source.

78. (New) The apparatus of claim 73 wherein the at least one metering device comprises a peristaltic pump.

79. (New) The apparatus of claim 72 wherein the fluid path further comprises a valve disposed therein.

80. (New) The apparatus of claim 72 wherein the fluid path further comprises a pressurizing pump disposed between the first and second fluid sources and the patient.

81. (New) The apparatus of claim 74, further comprising a user interface connected to the control device.

82. (New) An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:

a first fluid source;

a second fluid source; and

a fluid path disposed between the first and second fluid sources and a patient, the fluid path comprising:

a static mixer;

a reusable portion for delivering fluid to multiple patients; and

a per-patient disposable portion removably connected to the reusable portion.

83. (New) The apparatus of claim 82, wherein the fluid path further comprises at least one metering device disposed between the first and second fluid sources and the static mixer.

84. (New) The apparatus of claim 83, further comprising a control device in communication with the metering device.

85. (New) The apparatus of claim 82, wherein the fluid path further comprises a fluid assurance device disposed between the static mixer and the patient.

86. (New) The apparatus of claim 82, wherein the first fluid source comprises a contrast source.

87. (New) The apparatus of claim 82, wherein the second fluid source comprises a diluent source.

88. (New) The apparatus of claim 83 wherein the at least one metering device comprises a peristaltic pump.

89. (New) The apparatus of claim 82 wherein the fluid path further comprises a valve disposed therein.

90. (New) The apparatus of claim 82 wherein the fluid path further comprises a pressurizing pump disposed between the first and second fluid sources and the patient.

91. (New) The apparatus of claim 84, further comprising a user interface connected to the control device.